

ABSTRACT

The invention relates to a degassing centrifugal apparatus such as a pump having energy recovery means and to a process for degassing a fluid. The apparatus has a rotatable hollow rotor connected to a fluid inlet at one end and a liquid outlet at the opposite end. A gas exhaust is connected to the center of the apparatus. The apparatus has at its inlet end means for bringing a fluid to rotate on the inner wall of said rotor. The apparatus comprises a turbine at its outlet end recovering excess dynamic energy from the rotating fluid. The apparatus is especially useful for centrifugal degassing of backwater in the production of paper or board machine.